

Form PTO-1449 (modified)

List of Patents and Publications for Applicant's

INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Atty. Docket No.
BJSC:286Serial No.
09/534,655Applicant
JOSEPH E. THOMPSON and JOEL L. BOLESFiling Date:
MARCH 24, 2000Group:
UNKNOWNU.S. Patent Documents
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See Page 1**U.S. Patent Documents**

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
1	A1	2,793,996	05/28/57	Lummus	252	8.5	
	A2	2,965,566	12/20/60	Hoeppe	252	8.5	
	A3	3,505,374	04/07/70	Monroe	260	439	
	A4	3,511,820	05/12/70	Verdol et al.	260	7.5	
	A5	3,528,939	09/15/70	Pratt et al.	260	29.6	
	A6	3,625,286	12/07/71	Parker	166	291	
	A7	3,650,970	03/21/72	Pratt et al.	252	181	
	A8	3,654,990	04/11/72	Harnsberger et al.	166	281	
	A9	3,654,991	04/11/72	Harnsberger et al.	166	281	
	A10	3,654,992	04/11/72	Harnsberger et al.	166	281	
	A11	3,657,123	04/18/72	Stram	252	34.7	
	A12	3,719,711	03/06/73	Temple	260	567.6P	
	A13	3,725,547	04/03/73	Kodistra	424	245	
	A14	3,741,943	06/26/73	Sekmakas	260	78.5	
	A15	3,755,189	08/28/73	Gilchrist et al.	252	316	
	A16	3,757,864	09/11/73	Crawford et al.	166	308	
	A17	3,764,571	10/09/73	Jennings et al.	260	23	
	A18	3,819,386	06/25/74	Higgins et al.	106	27	
	A19	3,821,109	06/28/74	Gilchrist et al.	210	36	
p7	A20	3,839,300	10/01/74	Ensor et al.	260	78.4	

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PT	A21	3,852,441	12/03/74	Kooistra, Jr.	424	245	
	A22	3,883,404	05/13/75	Bocca et al.	208	44	
	A23	3,887,508	06/03/75	Dieckmann	260	23	
	A24	3,900,070	08/19/75	Chatterji et al.	166	308	
	A25	3,904,541	09/09/75	Charlton	252	63.2	
	A26	3,905,909	09/16/75	Bauer	252	156	
	A27	3,960,514	06/01/76	Teng et al.	44	7B	
	A28	3,969,087	07/13/76	Saito et al.	44	7C	
	A29	3,969,233	07/13/76	Lucas	252	22	
	A30	4,003,393	01/18/77	Jaggard et al.	137	15	
	A31	4,008,264	02/15/77	L bers	260	470	
	A32	4,049,858	09/20/77	Murphy	428	136	
	A33	4,053,428	10/11/77	Pindar et al.	252	52	
	A34	4,084,089	04/11/78	Zingaro et al.	250	272	
	A35	4,096,071	06/20/78	Murphy	252	8.6	
	A36	4,142,978	03/06/79	Murphy	252	8.7	
	A37	4,147,643	04/03/79	Pindar et al.	252	52	
	A38	4,152,289	05/01/79	Griffin, Jr.	252	316	
	A39	4,153,649	05/08/79	Griffin, Jr.	260	950	
	A40	4,156,678	05/29/79	Krueger	260	42.37	
	A41	4,171,268	10/16/79	Collins	252	32.7	
PT	A42	4,174,283	11/13/79	Griffin, Jr.	252	8.55	

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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
P	A43	4,186,802	02/05/80	Perlman	166	280	
	A44	4,200,540	04/29/80	Burnham	252	8.55	
	A45	4,238,529	12/09/80	Sieignano et al.	427	160	
	A46	4,242,377	12/30/80	Roberts et al.	477	242	
	A47	4,259,428	03/31/81	Tsuneda	430	115	
	A48	4,273,891	06/16/81	Pindar et al.	525	145	
	A49	4,284,414	08/18/81	Bryant	44	62	
	A50	4,301,868	11/24/81	Scherubel et al.	166	308	
	A51	4,312,765	01/26/82	Block	252	8.5	
	A52	4,316,807	02/23/82	McDaniel et al.	252	8.5	
	A53	4,316,810	02/23/82	Burnham	252	8.55	
	A54	4,316,852	02/23/82	Blachford	260	414	
	A55	4,404,112	09/13/83	Scherubel et al.	252	8.55	
	A56	4,440,674	04/03/84	Dieckmann et al.	524	177	
	A57	4,450,261	05/22/84	Chiao et al.	526	214	
	A58	4,446,039	05/01/84	Pindar et al.	252	52	
	A59	4,517,115	05/14/85	Dieckmann et al.	252	400	
	A60	4,557,842	12/10/85	Pratt	252	37.7	
	A61	4,566,977	01/28/86	Hatfield	252	8.5	
	A62	4,576,819	03/18/86	Miyata et al.	424	156	
P	A63	4,579,671	04/01/86	Lundberg et al.	242	8.5	

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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
Pt	A64	4,615,393	10/07/86	Sedillo et al.	166	308	
	A65	4,622,155	11/11/86	Harris et al.	252	8.551	
	A66	4,647,603	03/03/87	Lundberg et al.	523	339	
	A67	4,658,036	04/14/87	Schilling	548	513	
	A68	4,665,982	05/19/87	Brown	166	250	
	A69	4,668,439	05/26/87	Billenstein et al.	260	410.9	
	A70	4,720,576	01/19/88	Wada et al.	562	481	
	A71	4,751,011	06/14/88	Lundberg et al.	252	35	
	A72	4,780,221	10/25/88	Holtmyer et al.	252	8.551	
	A73	4,781,845	11/01/88	Syrinek et al.	252	8.551	
	A74	4,787,994	11/29/88	Thorne et al.	252	32.5	
	A75	4,877,894	10/31/89	Huddleston	558	113	
	A76	4,909,923	03/20/90	Okazaki et al.	208	44	
	A77	4,962,271	10/09/90	Black et al.	585	819	
	A78	5,015,793	05/14/91	Sato et al.	585	6.3	
	A79	5,021,170	06/04/91	Shumate et al.	252	8.515	
	A80	5,045,220	09/03/91	Harris et al.	252	8.554	
	A81	5,057,233	10/15/91	Huddleston	252	8.551	
	A82	5,076,852	12/31/91	Bloys et al.	106	725	
	A83	5,082,059	01/21/92	Engemardt et al.	166	308	
Pt	A84	5,132,271	07/21/92	Seitz	503	213	

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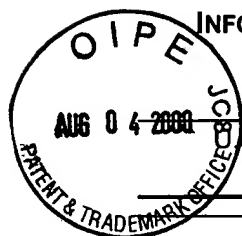
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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
Pt	A85	5,190,675	03/02/93	Gross	252	8.551	
	A86	5,256,320	10/26/93	Todd et al.	252	32.007	
	A87	5,276,231	01/04/94	Kocal et al.	585	323	
	A88	5,271,464	12/21/93	McCabe	166	295	
	A89	5,278,203	01/11/94	Harms	523	200	
	A90	5,283,235	02/01/94	Bush et al.	507	128	
	A91	5,296,164	03/22/94	Thach et al.	252	307	
	A92	5,300,715	04/05/94	Vora	585	254	
	A93	5,330,588	07/19/94	Gulley	148	271	
	A94	5,330,662	07/19/94	Jahnke et al.	252	8.551	
	A95	5,346,943	09/13/94	Khungar et al.	524	398	
	A96	5,362,409	11/08/94	Wiggins et al.	252	32.7	
	A97	5,381,864	01/17/95	Nguyen et al.	166	280	
	A98	5,382,411	01/17/95	Allen	422	131	
	A99	5,384,421	01/24/95	Day et al.	554	92	
	A100	5,403,501	04/04/95	Schvind	252	32.7	
	A101	5,411,091	05/02/95	Jennings et al.	166	280	
	A102	5,417,287	04/23/95	Smith et al.	166	308	
	A103	5,426,137	06/20/95	Allen	523	318	
	A104	5,449,470	09/12/95	Cahoon et al.	252	18	
	A105	5,486,300	01/23/96	Salomon et al.	252	18	
Pt	A106	5,487,838	01/30/96	Luciani et al.	252	49.9	

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PT	A107	5,492,178	02/20/96	Nguyen et al.	166	276	
	A108	5,497,830	03/12/96	Boles et al.	166	300	
	A109	5,514,645	05/07/96	McCabe et al.	507	238	
	A110	5,519,063	05/21/96	Mondet et al.	514	772.4	
	A111	5,529,722	06/25/96	Aouad et al.	252	550	
	A112	5,534,609	07/09/96	Lewis et al.	528	15	
	A113	5,552,377	09/03/96	Kindred	507	209	
	A114	5,609,207	03/11/97	Dewprashad et al.	166	276	
	A115	5,620,946	04/15/97	Jahnke et al.	507	131	
	A116	5,637,557	06/10/97	Jahnke et al.	507	246	
	A117	5,641,890	06/24/97	Wesley et al.	44	266	
	A118	5,674,936	10/07/97	Lucas	524	731	
	A119	5,679,280	10/21/97	Sasaki et al.	252	77	
	A120	5,700,767	12/23/97	Adams	508	539	
	A121	5,773,706	06/30/98	Wesley et al.	44	266	
	A122	5,826,669	10/27/98	Zaleski et al.	175	72	
	A123	5,843,873	12/01/98	Butke et al.	508	185	
	A124	5,858,929	01/12/99	Sumiejski et al.	508	162	
	A125	4,252,465	02/24/81	Broussard et al.	405	158	
	A126	4,543,131	09/24/85	Purinton, Jr.	134	8	
PT	A127	4,612,332	09/16/86	Bock et al.	521	65	

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Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date if App.
PT	A128	4,635,727	01/13/87	Anderson et al.	166	308	
	A129	4,673,716	06/16/87	Siano et al.	525	367	
	A130	4,694,046	09/15/87	Bock et al.	525	329.4	
	A131	4,694,058	09/18/87	Siano et al.	526	307.2	
	A132	4,709,759	12/01/87	Bock et al.	166	275	
	A133	4,734,205	03/29/88	Jacques et al.	210	708	
	A134	4,780,517	10/25/88	Ching	526	240	
	A135	4,960,821	10/02/90	Peiffer	524	534	
	A136	5,036,136	07/30/91	Peiffer	524	812	
	A137	5,145,590	09/08/92	Dawson	252	8.551	
	A138	5,197,324	03/30/93	Keys	73	40.5	
	A139	5,419,183	05/30/95	Keys	73	49.5	
	A140	5,604,186	02/18/97	Hunt et al.	507	204	
	A141	6,059,034	05/09/00	Rickards et al.	166	280	
	A142	2,390,609	12/11/45	Minich	252	316	
	A143	2,620,345	12/02/52	Dean	260	414	
	A144	3,243,270	03/29/66	Flanagan	44	7	
	A145	3,846,310	03/03/72	Blackwell et al.	252	8.55	
	A146	5,420,315	05/30/95	Uhrig, et al.	554	96	
	A147	6,033,647	03/07/00	Touzan, et al.	424	45	
PT	A148	4,416,703	11/22/83	Scott	134	8	

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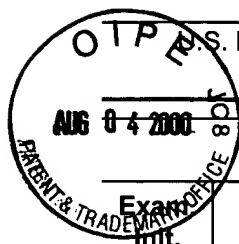
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PT	B1	3-97781 A	09/08/1989	Japan	/	/	English Abstract
/	B2	2,090,177	09/17/1993	Canada	/	/	English Document
/	B3	8-48965 A	02/20/1996	Japan	/	/	English Abstract
/	B4	8-183249 A	1996	Japan	/	/	English Abstract
/	B5	56-22739 A	03/03/1981	Japan	/	/	English Abstract
/	B6	58-154758 A	09/14/1983	Japan	/	/	English Abstract
/	B7	0 004 353 A2	10/03/1979	Europe	/	/	English Document
/	B8	0 202 940 A2	11/26/1986	Europe	/	/	English Document
/	B9/	0 207 787 A2	01/07/1987	Europe	/	/	English Document
/	B10	0 225 661 A2	06/16/1987	Europe	/	/	English Document
/	B11	0 271 362 B1	01/08/1992	Europe	/	/	English Document
/	B12	0 295 877 A3	12/21/1988	Europe	/	/	Counterpart to U.S. 4,780,221 (cited as Reference A72)
/	B13	0 326 155 A2	08/02/1989	Europe	/	/	English Document
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PT	B15	0 390 280 A1	10/03/1990	Europe			English Document
	B16	0 449 257 A2	10/02/1991	Europe			English Document
	B17	0 551 021 A1	07/14/1992	Europe			English Document
	B18	0 580 246 A1	01/26/1994	Europe			English Document
	B19	0 582 928 A2	02/16/1994	Europe			Counterpart to U.S. 5,420,315 (cited as Reference A146)
	B20	0 604 988 A2	07/06/1994	Europe			English Document
	B21	0 682 940 A1	11/22/1995	Europe			English Abstract
	B22	0 691 454 A1	01/10/1996	Europe			English Document
	B23	0 739 619 A1	10/30/1996	Europe			English Abstract
	B24	0 785 225 A2	07/23/1997	Europe			English Document
	B25	0 835 647 A1	04/15/1998	Europe			Counterpart to U.S. 6,033,647 (cited as Reference A147)
PT	B26	0 848 029 A2	06/17/1998	Europe			English Document

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P	B27	1,172,950 ✓	12/03/1969	Great Britain	✓		English Document
	B28	0 092 242	10/26/1983	Europe	✓		English Abstract
	B29	SU 1482171 ✓	11/10/1995	Russia	✓		English Abstract
	B30	59-84993 A ✓	05/16/1984	Japan	✓		English Abstract
	B31	6-228163 A	08/16/1994	Japan	✓		English Abstract
B	B32	974,539	09/16/1975	Canada	✓		English Document

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Exam. Init.	Ref. Des.	Citation
PT	C1	Ralson, "Fatty Acids and their Derivatives," John Wiley & Sons, Inc., New York, NY, pp. 887-903, 1948.
	C2	Encyclopedia of Chemical Technology, Edited by Raymond E. Kirk and Donald F. Othmer, <i>The Interscience Encyclopedia, Inc.</i> , Interscience Publishers, New York, NY, Vol. 6, pp. 147-299, 1951.
	C3	Elliott, "The Alkaline Earth and Heavy Metal Soaps," McGraw-Hill Encyclopedia of Science and Technology, Reinhold Publishing Co., New York, NY, 12:393, 1960.
	C4	Chevassus, "The Stabilization of Polyvinyl Chloride," St. Martin's Press, Inc., New York, NY, 137:108-117, 1968.
	C5	Pattison, "Fatty Acids and Their Industrial Applications," Marcel Dekker, Inc., New York, NY, 209-220, 1968.
	C6	Encyclopedia of Chemical Technology, Edited by Raymond E. Kirk and Donald F. Othmer, Third Edition, John Wiley & Sons, Vol. 4, pp. 812-871, 1978.
PT	C7	Encyclopedia of Chemical Technology, Edited by Raymond E. Kirk and Donald F. Othmer, Third Edition, John Wiley & Sons, Vol. 5, pp. 62-69, 1979.

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BJSC:286Serial No.
09/534,655Applicant
JOSEPH E. THOMPSON and JOEL L. BOLESFiling Date:
MARCH 24, 2000Group:
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See Page 1Other Art
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	C10	Scharf, et al., "The Enhancement of Grease Structure Through the Use of Functionalized Polymer Systems," National Lubricating Grease Institute, 9511, published prior to March 30, 1999.
	C11	Kernizan, et al. "FP Additized Greases - Part 1: Bearing and Analytical Performance," National Lubricating Grease Institute, 9911, published prior to March 30, 1999.
	C12	Herman F. George, et al., "Low Temperature Rheology of Greases: Functionalized Polymer Systems," National Lubricating Grease Institute, 9808, published prior to March 30, 1999.
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Examiner:

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List of Patents and Publications for Applicant's

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	C22	"Technical Information, Developmental Products, Sulfonated SMA Resins, S-SMA X1000 and S-SMA X3000", Elf Atochem North America, Inc., published prior to March 30, 1999.
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	C29	Product Information, KIC Chemicals, Inc., March - July, 1998.
	C30	"Technical Data Manual - Maxi Frac," Dresser Titan, T-104B, August 1980
	C31	"Maxi-O 60 - Frac Fluid Classification" - Data Sheet, SSB No. 250.0 WGY, March 7, 1977.
	C32	"Maxi-O 60 - Gelling Agent Classification" - Data Sheet, March 7, 1977.
	C33	"Aluminum Octoate - Chemical Classification" - Data Sheet, SSB No. 250.0 WGY, December 2, 1976.
Pt	C34	"Maxi-O Breaker - Breaker Classification" - Data Sheet, SSB No. 250.0 WGY, March 7, 1977.

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	C36	Hendrickson et al., "Soap-Oil Systems For Formation Fracturing," The Petroleum Engineer, pp. B-58, 60, 64, 66, May 1957.
	C37	"Oil Base Ultra Frac Systems," BJ-Huges Inc. Mixing Manual 607, pg. 52, March 1972.
	C38	"Stimulation Services Bulletin - Maxi-O 60 Gel," prepared by Larry Harrington, Western, No. 250.0 WG, September 1977.
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	C40	"Tamoxifen", pg. 1171, published prior to March 30, 1999.
	C41	Burnham and Harris, "Developments in Hydrocarbon Fluids for High-Temperature Fracturing," <i>J. Petroleum Technology</i> , pp. 217-220 February 1980.
	C42	Gidley, J., Holditch, S., Nierode, D., Veatch, R., Jr., "Recent Advances in Hydraulic Fracturing," <i>Society of Petroleum Engineers</i> (1989).
	C43	U.S. Patent Application Serial No. 09/579,146 entitled "Lightweight Compositions and Methods for Sand Control," filed May 25, 2000.
	C44	U.S. Patent Application Serial No. 09/579,147 entitled "Lightweight Methods and Compositions for Well Treating," filed May 25, 2000.
	C45	U.S. Patent Application Serial No. 09/519,238 entitled "Formation Treatment Method Using Deformable Particles," filed March 6, 2000.
	C46	U.S. Patent Application Serial No. 60/148,274 entitled "Gelled Hydrocarbon Compositions and Methods for Use Thereof," filed August 11, 1999.
	C47	U.S. Patent Application Serial No. 60/129,770 entitled "Gelled Hydrocarbon Compositions and Methods for Use Thereof," filed April 15, 1999.
	C48	U.S. Patent Application Serial No. 60/127,298 entitled "Gelled Hydrocarbon Compositions and Methods for Use Thereof," filed March 30, 1999.
	C49	U.S. Patent Application Serial No. 09/151,169 entitled "Surfactant Compositions and Uses Thereof," filed September 10, 1998.

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List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant JOSEPH E. THOMPSON and JOEL L. BOLES	
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	A151	3,799,267	Mar 26, 1974	Ely et al.	166	308	
	A152	4,571,422	Feb 18, 1986	Symes et al.	536	114	
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PI	B34	0 280 341 ✓	Aug 31, 1988	Europe	—	—	English
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P.T.	C50	Bilden, Kesavan, Dawson, "A New Polymer Approach Applicable for the Control of Water Production," Petroleum Network Education Conferences, pp. 1-10 (includes 4 pages of Figures), 1996. /
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P.T.	C53	Garner, et al., "The Effects of Hostile Environments on Coatings and Plastics," ACS Symposium Series (September 12-17, 1982) ✓
P.T.	C54	Burnham, et al, "Developments in Hydrocarbon Fluids for High Temperature Fracturing," SPE 7564 (1978) ✓

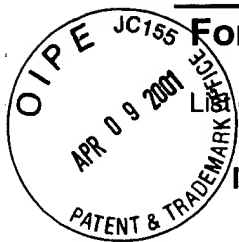
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P.T	C56	Akzo Chemicals Inc., "Industrial Surfactants Nitrogen derivatives," General Catalog Bulletin 92-1 (1992) ✓

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Exam. Init.	Ref. Des.	Document Number	Date	Country	Class	Sub Class	Translation Yes/No
P.T.	B36	994,377 ✓	June 10, 1965	Great Britain	—	—	English document

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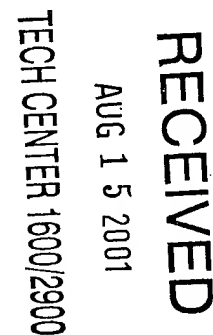
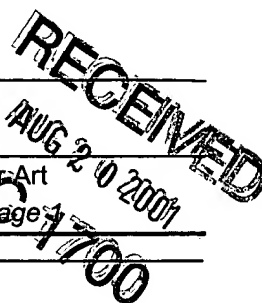
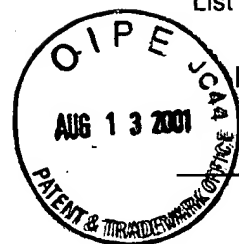
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